

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	((substrate wafer) near3 (support\$3 hold\$3 chuck susceptor)) and (((shaft pedestal) with graphite) and (conductor\$2 wir\$4 feed\$3))).clm.	US-PGPUB; USPAT	OR	ON	2007/12/26 15:20
L2	5	((substrate wafer) near3 (support\$3 hold\$3 chuck susceptor)) and (((shaft pedestal) with graphite) and (connect\$4 conductor\$2 wir\$4 feed\$3))).clm.	US-PGPUB; USPAT	OR	ON	2007/12/26 15:21
L3	1498	((substrate wafer) near3 (support\$3 hold\$3 chuck susceptor)) and ((shaft pedestal) and (connect\$4 conductor\$2 wir\$4 feed\$3))).clm.	US-PGPUB; USPAT	OR	ON	2007/12/26 15:25
L4	108	((substrate wafer) near3 (support\$3 hold\$3 chuck susceptor)) and (((shaft pedestal) same hollow) and (connect\$4 conductor\$2 wir\$4 feed\$3))).clm.	US-PGPUB; USPAT	OR	ON	2007/12/26 15:25
S1	2	"20050284573"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/26 15:13
S2	2	"20040173161"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/26 09:14
S3	24	("20020051848" "20030080109" "20030107865" "20030164369" "20030217767" "20040108314" "4511622" "5210452" "5231690" "5280156" "5343022" "5410172" "5478429" "5606484" "5702764" "5748436" "6023405" "6066836" "6072163" "6213478" "6214121" "6507006" "6678143" "6793767").PN.	US-PGPUB; USPAT	OR	ON	2006/08/25 11:35
S4	14	S3 and ((coat\$3 layer film) near6 (nitride carbide oxynitride carbonitride PBN))	US-PGPUB; USPAT	OR	ON	2006/08/25 11:53
S5	11	S4 and @ad<"20030112"	US-PGPUB; USPAT	OR	ON	2006/08/25 12:24
S6	11	S4 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2006/08/25 12:19

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S7	132715	((wafer substrate) near5 heat\$3)	US-PGPUB; USPAT	OR	ON	2006/08/25 12:20
S8	5030	S7 and (((susceptor support holder chuck) near5 (coat\$3 layer film)) same (dielectric insulati\$3 (nitride carbide) graphite))	US-PGPUB; USPAT	OR	ON	2006/08/25 12:33
S9	257	S7 and (((susceptor support holder chuck) near5 (coat\$3 layer film)) same ((dielectric insulati\$3 nitride carbide) same graphite))	US-PGPUB; USPAT	OR	ON	2006/08/25 12:25
S10	205	S9 and @ad<"20030112"	US-PGPUB; USPAT	OR	ON	2006/08/25 12:26
S11	18	S7 and (((susceptor support holder chuck) near5 (coat\$3 layer film)) same ((dielectric insulati\$3 nitride carbide) same (pyrolytic adj graphite)))	US-PGPUB; USPAT	OR	ON	2006/08/25 12:26
S12	17	S11 and @ad<"20030112"	US-PGPUB; USPAT	OR	ON	2006/08/25 12:37
S13	23197	(((susceptor support holder chuck) near5 (coat\$3 layer film)) same (dielectric insulati\$3 nitride carbide graphite))	US-PGPUB; USPAT	OR	ON	2006/08/25 13:24
S14	3598	((susceptor support holder chuck) near4 graphite)	US-PGPUB; USPAT	OR	ON	2006/08/25 13:24
S15	1490	S14 and (coat\$3 layer film) same (dielectric insulati\$3 nitride carbide (pyrolytic adj graphite))	US-PGPUB; USPAT	OR	ON	2006/08/25 13:20
S16	278	S15 and shaft	US-PGPUB; USPAT	OR	ON	2006/08/25 13:21
S17	245	S16 and @ad<"20030112"	US-PGPUB; USPAT	OR	ON	2006/08/25 13:21
S18	161	S15 and (shaft and ((wafer substrate) near3 heat\$3))	US-PGPUB; USPAT	OR	ON	2006/08/25 12:40
S19	146	S18 and @ad<"20030112"	US-PGPUB; USPAT	OR	ON	2006/08/25 12:40
S20	1166	S14 and (coat\$3 layer film) same (dielectric insulati\$3 nitride carbide and (pyrolytic adj graphite))	US-PGPUB; USPAT	OR	ON	2006/08/25 13:20
S21	193	S20 and shaft	US-PGPUB; USPAT	OR	ON	2006/08/25 13:21
S22	177	S21 and @ad<"20030112"	US-PGPUB; USPAT	OR	ON	2006/08/25 13:25
S23	10	S22 and pyrolytic	US-PGPUB; USPAT	OR	ON	2006/08/25 13:22

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S24	121	((susceptor support holder chuck) near4 graphite) and (pyrolytic adj graphite)	US-PGPUB; USPAT	OR	ON	2006/08/25 14:16
S25	61	S24 and ((coat\$3 layer film) same (dielectric insulati\$3 nitride carbide))	US-PGPUB; USPAT	OR	ON	2006/08/25 13:25
S26	53	S25 and @ad<"20030112"	US-PGPUB; USPAT	OR	ON	2006/08/25 14:39
S27	3	S26 and shaft	US-PGPUB; USPAT	OR	ON	2006/08/25 13:25
S28	1256	(susceptor chuck holder support) near5 graphite	EPO; JPO; DERWENT	OR	ON	2006/08/25 13:46
S29	6	S28 and ((film coat\$3 layer) same (nitride carbide) same (pyrolytic adj graphite))	EPO; JPO; DERWENT	OR	ON	2006/08/26 09:07
S30	908	((susceptor support holder chuck) same (shaft same graphite))	US-PGPUB; USPAT	OR	ON	2006/08/25 14:17
S31	790	S30 and @ad<"20030112"	US-PGPUB; USPAT	OR	ON	2006/08/25 14:31
S32	0	S31 and ((film layer coat\$3) same (nitride carbide) same (pyrolytic adj graphite))	US-PGPUB; USPAT	OR	ON	2006/08/25 14:48
S33	145	S31 and ((film layer coat\$3) same (nitride carbide))	US-PGPUB; USPAT	OR	ON	2006/08/25 14:22
S34	32	S33 and pyrolytic	US-PGPUB; USPAT	OR	ON	2006/08/25 14:20
S35	113	S33 not S34	US-PGPUB; USPAT	OR	ON	2006/08/25 14:26
S36	1	S35 and electrostatic	US-PGPUB; USPAT	OR	ON	2006/08/25 14:28
S37	2	S31 and (electrostatic adj chuck)	US-PGPUB; USPAT	OR	ON	2006/08/25 14:28
S38	2	(electrostatic adj chuck) and (shaft near5 graphite)	US-PGPUB; USPAT	OR	ON	2006/08/25 14:32
S39	5	(electrostatic adj chuck) and (shaft same graphite)	US-PGPUB; USPAT	OR	ON	2006/08/25 14:34
S40	5	(electrostatic adj chuck) and ((shaft spindle) same graphite)	US-PGPUB; USPAT	OR	ON	2006/08/25 14:35
S41	4312	graphite same (shaft spindle)	US-PGPUB; USPAT	OR	ON	2006/08/25 14:35
S42	2524	S41 and (chuck support holder susceptor)	US-PGPUB; USPAT	OR	ON	2006/08/25 14:39
S43	125	S42 and electrostatic	US-PGPUB; USPAT	OR	ON	2006/08/25 14:39

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S44	5	S42 and (electrostatic near3 chuck)	US-PGPUB; USPAT	OR	ON	2006/08/25 14:39
S45	109	S43 and @ad<"20030112"	US-PGPUB; USPAT	OR	ON	2006/08/25 14:40
S46	109	S43 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2006/08/25 14:51
S47	2	((shaft spindle) same graphite) and (electrostatic near2 chuck)	EPO; JPO; DERWENT	OR	ON	2006/08/25 14:45
S48	37	(shaft spindle) and (electrostatic near2 chuck)	EPO; JPO; DERWENT	OR	ON	2006/08/25 14:47
S49	734	(shaft spindle) and (electrostatic near2 chuck)	US-PGPUB; USPAT	OR	ON	2006/08/25 14:50
S50	479	S49 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2006/08/25 14:47
S51	1	S50 and ((film layer coat\$3) same (nitride carbide) same (pyrolytic adj graphite))	US-PGPUB; USPAT	OR	ON	2006/08/25 14:48
S52	163	((shaft spindle) near5 graphite) same (chuck susceptor support holder)	US-PGPUB; USPAT	OR	ON	2006/08/25 14:51
S53	141	S52 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2006/08/26 09:06
S54	2	"5478429".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 16:46
S55	2	"6214121".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 16:48
S56	2	"5759281".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 16:48
S62	4	"5748436".pn. "6113984".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/26 10:51

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S65	106	(shaft spindle tube column post pedestal) near6 ((electrode\$2 near3 opposi\$3) near4 (coat\$3 layer\$2 film\$2))	US-PGPUB; USPAT	OR	ON	2006/08/26 10:53
S74	16	(shaft near6 (opposi\$3 near5 electrode\$2)) same (coat\$3 film\$2 layer\$2)	US-PGPUB; USPAT	OR	ON	2007/08/14 16:05
S75	15	S74 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2006/08/26 11:29
S76	2	"20030217767"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/26 14:48
S77	2	"6793767".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/26 15:46
S78	2	"20050241763"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/26 15:06
S79	2	"20050036267"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/26 15:46
S80	2	"6113984".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 11:46

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S81	28	(US-20010040029-\$ or US-20020196596-\$ or US-20050036267-\$ or US-20030215963-\$).did. or (US-4054708-\$ or US-4473335-\$ or US-3853586-\$ or US-6066836-\$ or US-4081313-\$ or US-6678143-\$ or US-5858085-\$ or US-5759281-\$ or US-5891251-\$ or US-5606484-\$ or US-5702764-\$ or US-5748436-\$ or US-6310327-\$ or US-6377437-\$ or US-5627102-\$ or US-5811820-\$ or US-5511799-\$ or US-5673167-\$ or US-5663865-\$ or US-5820686-\$ or US-5973402-\$ or US-6329639-\$). did. or (US-6410172-\$ or JP-07010665-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/03/05 12:38
S83	20	S81 and (unitary integra\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 13:27
S84	2	"6310327".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 12:45
S85	78	((support\$3 hold\$3 susceptor carrier chuck) with (shaft spindle) with (unitary integra\$4)) same graphite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 14:25
S86	29	S85 and @ad<"20030117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 15:00
S87	938	"29" and (pyrolytic near2 graphite)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 13:47

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S88	0	S86 and (pyrolytic near2 graphite)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 13:47
S89	2	"20030107865"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 13:53
S90	2	"6678143".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 13:53
S91	7	("5151845" "5663865" "5748436" "5777543").PN. OR ("6678143"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 13:57
S92	2	"6113984".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 14:16
S93	27	("4699805" "4924807" "5062386" "5238499" "5264040" "5269847" "5370738" "5516367" "5551982" "5653808" "5843233" "5882417" "5891251" "5916369").PN. OR ("6113984"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 14:57
S94	0	S93 and pyrolytic	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 14:24
S95	14	("5606484").PN. OR ("5748436"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 14:35
S96	0	S95 and (shaft spindle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 14:25
S97	6	S95 and pyrolytic	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 14:35

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S98	2	"6072163".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 14:44
S99	1	(electrostatic near4 chuck\$3) same (pyrolytic near4 (graphite carbon)) and ((shaft spindle) with (unitary integra\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 14:59
S100	10	(support\$3 hold\$3 chuck\$3 susceptor carrier) same (pyrolytic near4 (graphite carbon)) and ((shaft spindle) with (unitary integra\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 15:09
S101	6	S100 and @ad<"20030117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 15:09
S102	169	(support\$3 hold\$3 chuck\$3 susceptor carrier) same (pyrolytic near4 (graphite carbon)) and (shaft spindle)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 15:09
S103	104	S102 and @ad<"20030117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 17:41
S104	14	("5280156" "5663865" "5566043" "5866883" "6204489" "5045237" "5085804").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 16:12
S105	7	("5280156" "5663865" "5566043" "5866883" "6204489" "5045237" "5085804").pn.	US-PGPUB; USPAT	OR	ON	2007/03/05 17:38
S106	0	S105 and (shaft spindle)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:13
S107	90	("4502094" "4561006" "4645218" "4665463" "4771730" "4962441" "5231690").PN. OR ("5280156").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 16:13
S108	1	S107 and ((shaft spindle) and graphite and pyrolytic)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:18

EAST Search History

S10 9	33	("3246275" "3252827" "3649310" "3813252" "3875476" "3875477" "3890250" "3926857" "3974106" "4120827" "4174971" "4184882" "4335217" "4486651").PN. OR ("5085804").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 16:18
S11 0	0	S109 and ((shaft spindle) and graphite and pyrolytic)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:18
S11 1	90	("4502094" "4561006" "4645218" "4665463" "4771730" "4962441" "5231690").PN. OR ("5280156").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 16:18
S11 2	1	S111 and ((shaft spindle) and graphite and pyrolytic)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:22
S11 3	15	("5155652" "5280156").PN. OR ("5566043").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 16:19
S11 4	0	S113 and ((shaft spindle) and graphite and pyrolytic)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:21
S11 5	24	("5566043").PN. OR ("5663865").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 16:19
S11 6	0	S115 and ((shaft spindle) and graphite and pyrolytic)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:20
S11 7	8	("4357526" "4804823" "5264681" "5470506" "5498855" "5710381").PN. OR ("5866883").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 16:20
S11 8	0	S117 and ((shaft spindle) and graphite and pyrolytic)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:21
S11 9	22	("5280156" "5382469" "5566043" "5663865" "5665260" "5777543" "5800618" "5811761").PN. OR ("6204489").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 16:20
S12 0	0	S119 and ((shaft spindle) and graphite and pyrolytic)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:21
S12 1	0	S119 and ((shaft spindle) and graphite)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:21
S12 2	0	S117 and ((shaft spindle) and graphite)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:21
S12 3	0	S113 and ((shaft spindle) and graphite)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:21
S12 4	2	S111 and ((shaft spindle) and graphite)	US-PGPUB; USPAT	OR	ON	2007/03/05 16:22

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S12 5	2	"6535372".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 16:40
S12 6	7	("5228501" "5350479" "5463526" "5606484" "5748436" "6134096" "6296780").PN. OR ("6535372").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 16:40
S12 7	2	(electrostatic adj chuck) same (shaft spindle) same graphite	US-PGPUB; USPAT	OR	ON	2007/03/05 17:45
S12 8	18	((electrostatic adj chuck) same (shaft spindle)) and graphite	US-PGPUB; USPAT	OR	ON	2007/03/05 17:41
S12 9	11	S128 and @ad<"20030117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 17:51
S13 0	126	((electrostatic adj chuck) same (shaft spindle)) and (integra\$4 unitary)	US-PGPUB; USPAT	OR	ON	2007/03/05 19:13
S13 1	82	S130 and @ad<"20030117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 17:46
S13 2	9	((electrostatic adj chuck) same (shaft spindle)) same (integra\$4 unitary)	US-PGPUB; USPAT	OR	ON	2007/03/05 17:52
S13 3	3	S132 and @ad<"20030117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 19:15
S13 4	9	((electrostatic near7 chuck) same (shaft spindle)) same (integra\$4 unitary)	US-PGPUB; USPAT	OR	ON	2007/03/05 17:53
S13 5	0	((electro-static near7 chuck) same (shaft spindle)) same (integra\$4 unitary)	US-PGPUB; USPAT	OR	ON	2007/03/05 17:53

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S13 6	26	("5147497" "5155652" "5191506" "5228501" "5250137" "5310453" "5376213" "5463526" "5567267" "5571366" "5581874" "5584971" "5625526" "5656093").PN. OR ("6081414"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 18:08
S13 7	3	S136 and (shaft spindle)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 18:08
S13 8	2	"6034863".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 19:09
S13 9	21	((electrostatic adj chuck) same (shaft spindle)) and ((leads conductors) with (coat\$4 film\$3 layer\$2))	US-PGPUB; USPAT	OR	ON	2007/03/05 19:14
S14 0	15	S139 and @ad<"20030117"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 19:29
S14 2	4	((electric\$3 near4 (conductor\$2 lead\$2)) with (film\$2 coat\$3)) same (electrostatic near4 chuck)	US-PGPUB; USPAT	OR	ON	2007/03/05 19:32
S14 9	1	"5811820".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/06 10:06
S15 0	14	("3847115" "4901667" "5284544" "5423936" "5496410" "5518572").PN. OR ("5811820"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/06 10:10
S15 1	1	S150 and (shaft spindle)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/06 10:11
S15 2	13997	(wafer substrate) and ((shaft spindle pedestal support tube) near4 hollow)	US-PGPUB; USPAT	OR	ON	2007/08/14 16:07
S15 3	1888	(wafer substrate) and ((shaft spindle pedestal support tube) near4 hollow) and graphite	US-PGPUB; USPAT	OR	ON	2007/08/14 18:25
S15 4	54	S153 and (118/715-733 156/345. \$2).cccls.	US-PGPUB; USPAT	OR	ON	2007/08/14 16:30
S15 5	44	S154 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/14 16:31

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S15 6	428	S153 and ("204"/\$ "216"/\$ "219"/\$ "315"/\$ "427"/\$ "438"/\$0).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/14 16:30
S15 7	317	S156 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/14 17:13
S15 8	764	361/234.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/14 17:13
S15 9	552	S158 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/14 18:26
S16 0	7	S159 and (hollow and graphite)	US-PGPUB; USPAT	OR	ON	2007/08/14 17:18
S16 1	114	118/715.ccls. and (hollow and graphite)	US-PGPUB; USPAT	OR	ON	2007/08/14 17:18
S16 2	89	S161 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/14 17:18
S16 3	8263	((shaft spindle pedestal support tube) near7 graphite)	US-PGPUB; USPAT	OR	ON	2007/08/14 18:25
S16 4	72	S163 and (118/725 156/345.52).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/14 18:40
S16 5	67	S164 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/14 18:41
S16 6	43	S163 and (118/715-733 156/345.\$2).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/14 18:41
S16 7	32	S166 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/14 18:41
S16 8	30	S167 not S165	US-PGPUB; USPAT	OR	ON	2007/08/14 18:41
S16 9	2	"20030107865"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/15 10:00
S17 0	2	"6081414".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/15 10:03
S17 1	2	"5710407".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/15 11:18

EAST Search History

S17 2	1	S171 and (wafer same vacuum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/15 11:25
S17 3	3500	118/728-730.ccls. 156/345.51-345.55.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/15 11:25
S17 4	2778	S173 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/15 12:30
S17 5	170	S174 and (shaft with hollow)	US-PGPUB; USPAT	OR	ON	2007/08/15 11:27
S17 6	17	S174 and (shaft with (hollow same integral\$3))	US-PGPUB; USPAT	OR	ON	2007/08/15 12:25
S17 7	1	S176 and electrostatic	US-PGPUB; USPAT	OR	ON	2007/08/15 11:37
S17 8	0	361/234.ccls. and (electrostatic\$3 and shaft with (hollow same integral\$3))	US-PGPUB; USPAT	OR	ON	2007/08/15 12:26
S17 9	3124	(118/715-733.ccls. and 156/345.\$2.ccls.)" and (electrostatic\$3 and shaft with (hollow same integral\$3))	US-PGPUB; USPAT	OR	ON	2007/08/15 12:27
S18 0	0	(118/715-733.ccls. and 156/345.\$2.ccls.) and (electrostatic\$3 and (shaft with (hollow same integral\$3)))	US-PGPUB; USPAT	OR	ON	2007/08/15 12:28
S18 1	0	(electrostatic\$3 adj chuck) and (shaft with (hollow same integral\$3))	US-PGPUB; USPAT	OR	ON	2007/08/15 12:29
S18 2	63	(electrostatic\$3 adj chuck) and (shaft near5 hollow)	US-PGPUB; USPAT	OR	ON	2007/08/15 12:36
S18 3	33	S182 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/15 12:36
S18 4	33	(electrostatic\$3 adj chuck) and ((shaft near5 hollow) same rotat\$3)	US-PGPUB; USPAT	OR	ON	2007/08/15 12:36
S18 5	16	S184 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/15 14:19
S18 6	2	"5478429".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/15 14:15
S18 7	56	("4808258" "5195045" "5223457" "5228940" "5342471").PN. OR ("5478429").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 14:17

EAST Search History

S18 8	23	S187 and ((electrode\$2 conductor\$2) with (dielectric\$2 insulator\$2))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 14:21
S18 9	21	S188 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/15 14:21
S19 0	16	S187 and ((feed\$3 conductor\$2) with (dielectric\$2 insulator\$2))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 14:21
S19 1	14	S190 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/15 14:21
S19 2	27	("5147497" "5155652" "5191506" "5228501" "5250137" "5310453" "5376213" "5463526" "5567267" "5571366" "5581874" "5584971" "5625526" "5656093").PN. OR ("6081414"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 17:20
S19 3	12	S192 and ((electrode\$2 feed\$3 conductor\$2 wire\$2) with (dielectric insulat\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 17:22
S19 4	12	S193 and @ad<"20030117"	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 17:42
S19 5	55610	((shaft pedestal support\$3 spindle) with (electrode\$2 conductor\$2 feed\$3 wire\$2 line\$2)) same (insulat\$3 dielectric)	US-PGPUB; USPAT	OR	ON	2007/08/15 17:40
S19 6	43346	S195 and @ad<"20030117"	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 17:38
S19 7	485	S196 and (118/728-730 156/345. \$2).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 17:42
S19 8	485	S196 and (118/728-730 156/345. \$2).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/15 17:39
S19 9	453	S198 and (coat\$3 film\$2 layer\$2)	US-PGPUB; USPAT	OR	ON	2007/08/15 17:40
S20 0	22307	(shaft pedestal support\$3 spindle) same ((coat\$4 layer\$2 film\$2) with (electrode\$2 conductor\$2 feed\$3 wire\$2 line\$2) same (insulat\$3 dielectric)))	US-PGPUB; USPAT	OR	ON	2007/08/15 18:50
S20 1	15580	S200 and @ad<"20030117"	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 18:50
S20 2	128	S201 and (118/728-730 156/345. \$2).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 17:42

EAST Search History

S20 3	56	("4808258" "5195045" "5223457" "5228940" "5342471").PN. OR ("5478429").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 18:47
S20 4	0	361/234.ccls and ((shaft pedestal spindle) same ((coat\$4 layer\$2 film\$2) with ((electrode\$2 conductor\$2 feed\$3 wire\$2 line\$2) same (insulat\$3 dielectric))))	US-PGPUB; USPAT	OR	ON	2007/08/15 18:49
S20 5	2393	(shaft pedestal spindle) same ((coat\$4 layer\$2 film\$2) with ((electrode\$2 conductor\$2 feed\$3 wire\$2 line\$2) same (insulat\$3 dielectric)))	US-PGPUB; USPAT	OR	ON	2007/08/16 09:36
S20 6	1694	S205 and @ad<"20030117"	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 18:51
S20 7	1663	S206 not S202	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 18:51
S20 8	284	S207 and ("204"/\$ "216"/\$ "219"/\$ "315"/\$ "427"/\$ "428"/\$ "438"/\$). ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 18:55
S20 9	3	("4886571").PN. OR ("6191045"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 21:12
S21 0	1	"6356304".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 21:13
S21 1	1	"20020185487"	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/15 21:13
S21 2	7	("5581874" "5478429" "5717294"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/15 21:23
S21 3	876	(shaft pedestal spindle) same ((coat\$4 layer\$2 film\$2) with ((electrode\$2 conductor\$2 feed\$3 wire\$2 line\$2) same (insulat\$3 dielectric)))	EPO; JPO; DERWENT	OR	ON	2007/08/16 09:36
S21 4	4	S213 and C23C016/\$.ipc.	EPO; JPO; DERWENT	OR	ON	2007/08/16 09:39
S21 5	0	S213 and C23F0016/\$.ipc.	EPO; JPO; DERWENT	OR	ON	2007/08/16 09:38
S21 6	0	S213 and C23F001/\$.ipc.	EPO; JPO; DERWENT	OR	ON	2007/08/16 09:38

EAST Search History

S21 7	1	S213 and C23F S213/\$.ipc.	EPO; JPO; DERWENT	OR	ON	2007/08/16 09:39
S21 8	5	S213 and C23C "016"/\$.ipc.	EPO; JPO; DERWENT	OR	ON	2007/08/16 09:40
S21 9	51	S213 and H01L "021"/\$.ipc.	EPO; JPO; DERWENT	OR	ON	2007/08/16 09:45
S22 0	12	"644577"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/16 09:46
S22 1	2	"5210452".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 11:52
S22 2	4998	(shaft spindle) with (coat\$4 layer\$2 film\$2) with (conductor\$2 feed\$3 line\$2 lead\$2)	US-PGPUB; USPAT	OR	ON	2007/08/16 18:28
S22 3	43	S222 and (118/715-733.ccls. 156/345.\$2.ccls.)	US-PGPUB; USPAT	OR	ON	2007/08/16 11:55
S22 4	26066	(shaft spindle) same (coat\$4 layer\$2 film\$2) same (conduct\$4 feed\$3 line\$2 lead\$2)	US-PGPUB; USPAT	OR	ON	2007/08/16 12:00
S22 5	154	S224 and (118/728-730 156/345. 51-345.55).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/16 12:11
S22 6	141	S225 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/16 13:17
S22 7	98	S224 and (118/715-733 156/345. \$2).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/16 12:12
S22 8	75	S227 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/16 12:12
S22 9	37	S228 not S226	US-PGPUB; USPAT	OR	ON	2007/08/16 12:12

EAST Search History

S23 0	62	(US-20020185487-\$ or US-20030107865-\$ or US-20030215963-\$ or US-20010040029-\$ or US-20020196596-\$ or US-20050036267-\$ or US-20020185062-\$ or US-20030051665-\$ or US-20020106826-\$ or US-20020012749-\$).did. or (US-5581874-\$ or US-6678143-\$ or US-6072163-\$ or US-6066836-\$ or US-5748436-\$ or US-5702764-\$ or US-5606484-\$ or US-6151447-\$ or US-6377437-\$ or US-6310327-\$ or US-6242719-\$ or US-5820686-\$ or US-5710407-\$ or US-5683518-\$ or US-5673167-\$ or US-5511799-\$ or US-5444217-\$ or US-5663865-\$ or US-5580388-\$ or US-5973402-\$ or US-5891251-\$ or US-5858085-\$ or US-5653808-\$ or US-5627102-\$ or US-6949726-\$ or US-4081313-\$). did. or (US-4473335-\$ or US-5306895-\$ or US-6685774-\$ or US-6535372-\$ or US-3853586-\$ or US-4054708-\$ or US-6191045-\$ or US-5759281-\$ or US-6329639-\$ or US-5811820-\$ or US-6454863-\$ or US-6160244-\$ or US-3675709-\$ or US-6143081-\$ or US-6081414-\$ or US-6853533-\$ or US-6639189-\$ or US-5994678-\$ or US-6235146-\$ or US-6857940-\$).did. or (US-6410172-\$ or JP-07010665-\$ or EP-823491-\$ or EP-1220311-\$ or EP-644577-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/08/16 13:16
S23 1	31	S230 and ((feed\$3 line\$2 conduct\$4 wire\$2) with (insulati\$3 dielectric))	US-PGPUB; USPAT; DERWENT	OR	ON	2007/08/16 13:17
S23 2	29	S231 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/16 13:40
S23 3	1	"20060021581"	US-PGPUB; USPAT	OR	ON	2007/08/16 13:40
S23 4	1879	(shaft spindle) same ((insulati\$3 dielectreic) near7 (conductor\$2 feed\$3 line\$2 lead\$2))	US-PGPUB; USPAT	OR	ON	2007/08/16 18:29
S23 5	2139	(shaft spindle pedestal) same ((insulati\$3 dielectreic) near7 (conductor\$2 feed\$3 line\$2 lead\$2))	US-PGPUB; USPAT	OR	ON	2007/08/16 18:55
S23 6	16	S235 and (118/728-730 156/345. 51-345.55).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/16 18:40

EAST Search History

S23 7	21	S235 and (118/715-733 156/345. \$2).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/16 18:33
S23 8	13	S237 not S236	US-PGPUB; USPAT	OR	ON	2007/08/16 18:33
S23 9	174	S235 and ("216"/\$ "219"/\$ "315"/\$ "427"/\$ "438"/\$).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/16 18:35
S24 0	133	S239 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/16 18:40
S24 1	3502	(118/728-730 156/345.51-345.55). ccls.	US-PGPUB; USPAT	OR	ON	2007/08/16 18:40
S24 2	2778	S241 and @ad<"20030117"	US-PGPUB; USPAT	OR	ON	2007/08/16 18:40
S24 3	16	S235 and S242	US-PGPUB; USPAT	OR	ON	2007/08/16 18:40
S24 4	0	(shaft spindle pedestal) same (dielectreic near7 (conductor\$2 feed\$3 line\$2 lead\$2))	US-PGPUB; USPAT	OR	ON	2007/08/16 18:56
S24 5	16967	dielectric\$2 near5 ceramic\$2	US-PGPUB; USPAT	OR	ON	2007/08/16 19:04
S24 6	514	S245 and 118/715-733.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/16 19:04
S24 7	105	S245 and 118/728-730.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/16 19:04

EAST Search History

S24 8	62	(US-20030107865-\$ or US-20030215963-\$ or US-20010040029-\$ or US-20020196596-\$ or US-20020185487-\$ or US-20050036267-\$ or US-20020185062-\$ or US-20030051665-\$ or US-20020106826-\$ or US-20020012749-\$).did. or (US-6310327-\$ or US-6235146-\$ or US-6151447-\$ or US-5683518-\$ or US-5710407-\$ or US-6678143-\$ or US-6072163-\$ or US-6066836-\$ or US-5748436-\$ or US-5702764-\$ or US-5606484-\$ or US-6857940-\$ or US-6949726-\$ or US-6454863-\$ or US-6160244-\$ or US-6685774-\$ or US-5444217-\$ or US-6191045-\$ or US-6242719-\$ or US-6377437-\$ or US-5663865-\$ or US-5580388-\$ or US-5820686-\$ or US-5673167-\$ or US-5511799-\$ or US-5973402-\$). did. or (US-5891251-\$ or US-5858085-\$ or US-5653808-\$ or US-4473335-\$ or US-5627102-\$ or US-4081313-\$ or US-6535372-\$ or US-3853586-\$ or US-4054708-\$ or US-5759281-\$ or US-6329639-\$ or US-5811820-\$ or US-3675709-\$ or US-6853533-\$ or US-6143081-\$ or US-6081414-\$ or US-5581874-\$ or US-6639189-\$ or US-5994678-\$ or US-5306895-\$).did. or (EP-644577-\$ or US-6410172-\$ or JP-07010665-\$ or EP-823491-\$ or EP-1220311-\$). did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/08/17 09:29
S24 9	5	S248 and hiroshi.in.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/08/17 09:29
S25 0	32	("20020051848" "20020185487" "20 030080109" "20030107865" "20030 164369" "20030217767" "20040108 314" "4511622" "5210452" "523169 0" "5280156" "5343022" "5410172" "5478429" "5606484" "5702764" " 5710407" "5748436" "5811820" "60 23405" "6066836" "6072163" "6081 414" "6113984" "6143081" "621347 8" "6214121" "6310327" "6507006" "6535372" "6678143" "6793767"). PN.	US-PGPUB; USPAT	OR	ON	2007/12/26 09:26

EAST Search History

S25 1	12	("20020051848" "20030080109" "20030164369" "5231690" "5280156" "5343022" "5410172" "5702764" "6023405" "6066836" "6214121" "6507006").PN.	US-PGPUB; USPAT	OR	ON	2007/12/26 09:26
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